AMENDMENTS TO THE CLAIMS

1-82. (CANCELED).

83. (CURRENTLY AMENDED) A method for ~~selecting one or~~ ~~more disease-influencing genes needed to be processed for medical~~ ~~research~~ generating groups of individuals useful in researching influence of a disease on said individuals, comprising:

5   selecting individuals having a risk factor for a disease;

providing to each individual a communications apparatus;

~~sending~~ presenting queries to each individual through the apparatus;

receiving responses to the queries from the individuals

10   through the apparatus;

storing the responses of each individual;

defining a plurality of groups by categorizing the individuals having similar profiles based on the responses, wherein categorizing the individuals into groups includes one or more

15   phenotypic classifications;

after defining said groups, receiving genotype information for individuals in each of said groups;

comparing said genotype information between said groups; and

generating a report for presentation on a display that represents a subset of said genotype information associated with each of said groups, wherein differences in said genotype information between said groups is expressed in terms of phenotypic classifications.

84. (PREVIOUSLY PRESENTED) The method of Claim 83, wherein the queries are script-based and are assignable to each individual.

85. (PREVIOUSLY PRESENTED) The method of Claim 84, wherein the queries are inserted into a script program with a script generator and assigned to an individual using a script assignor.

86. (PREVIOUSLY PRESENTED) The method of Claim 83, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

87. (CANCELED).

88.   (PREVIOUSLY PRESENTED) The method of claim 83, wherein the communication apparatus is connectable with a monitoring device configured to acquire physiologic data.

89.   (PREVIOUSLY PRESENTED) The method of claim 88, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

90.   (CURRENTLY AMENDED) A system for ~~selecting one or more disease-influencing genes needed to be processed for medical research~~ generating groups of individuals useful in researching influence of a disease on said individuals, comprising:

a communications apparatus operable by an individual; and

a communication network in signal communication with the communications apparatus and a server, a workstation configured to send scripted queries, a genotyping system configured to provide genotype information of the individual, and a patient profile system configured to receive responses from the individual and genotype information analyses via the communications network and the server,

whereby the genotype information is compared based upon groups formed by categorizing individuals having a risk factor for a disease using the responses to the scripted queries in the

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patient profile system to identify one or more individuals having ~~a disease-influencing gene~~ similar profiles, wherein categorizing the individuals into groups includes one or more phenotypic classifications, and differences in said genotype information between said groups is expressed in terms of phenotypic classifications.

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91. (PREVIOUSLY PRESENTED) The system of Claim 90, wherein the scripted queries are generated for the individual using a script generator and assigned to the individual using a script assignor.

92. (PREVIOUSLY PRESENTED) The system of Claim 90, wherein the responses from the individual are used to categorize the individual into one or more groups and the one or more groups are compared with the genotype information of the individual to categorize said genotype information according to disease progression.

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93. (PREVIOUSLY PRESENTED) The system of Claim 92, wherein the disease progression includes non-insulin dependent diabetes.

94.   (CURRENTLY AMENDED) A system for identifying <u>groups</u> <u>of</u> individuals ~~having a disease-influencing gene~~ <u>useful in</u> <u>researching influence of disease on said individuals,</u> comprising:

at   least   one   communications   apparatus   in   signal communication with a monitoring device configured to measure physiologic and environmental conditions, the communications apparatus and monitoring device being operable by at least one individual; and

a communication network in signal communications with each   communications   apparatus   and   a   server,   a   workstation configured to send scripted queries, a genotyping system configured to provide genotype information for the at least one individual, and a patient profile system configured to receive responses and measurements   from   the   at   least   one   individual   and   genotype information analyses via the communications network and the server,

whereby the genotype information of the at least one individual is compared based upon groups formed <u>by categorizing</u> <u>individuals having a risk factor for a disease</u> using the responses and measurements to the scripted queries in the patient profile system to identify one or more individuals having ~~a disease-~~ ~~influencing gene~~ <u>similar profiles, wherein categorizing the</u> <u>individuals   into   groups   includes   one   or   more   phenotypic</u> <u>classifications, and differences in said genotype information</u>

between said groups is expressed in terms of phenotypic classifications.

95. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the scripted queries are generated for each individual using a script generator and assigned to each individual using a script assignor.

96. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

97. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the responses and measurements from each individual are used to categorized each individual with one or more groups and the groups are compared with the genotype information of each individual to categorize the genotype information according to disease progression of each individual in the one or more groups based on the responses and measurements sent by each individual.

98. (PREVIOUSLY PRESENTED) The system of Claim 97, wherein the disease progression includes non-insulin dependent diabetes.

99. (NEW) The system of Claim 90, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

100. (NEW) The system of Claim 94, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.